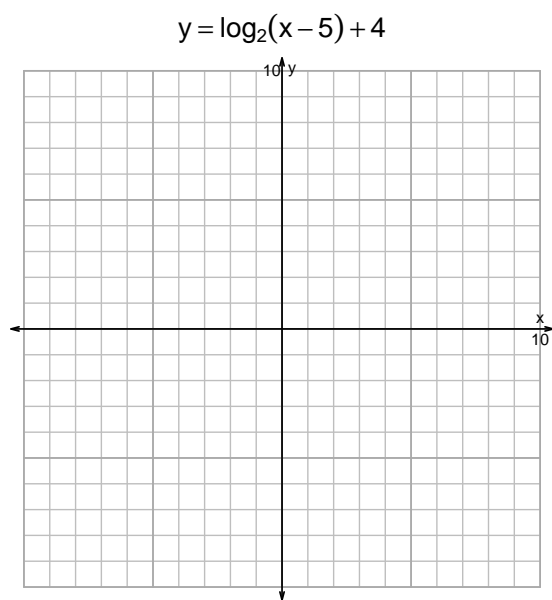
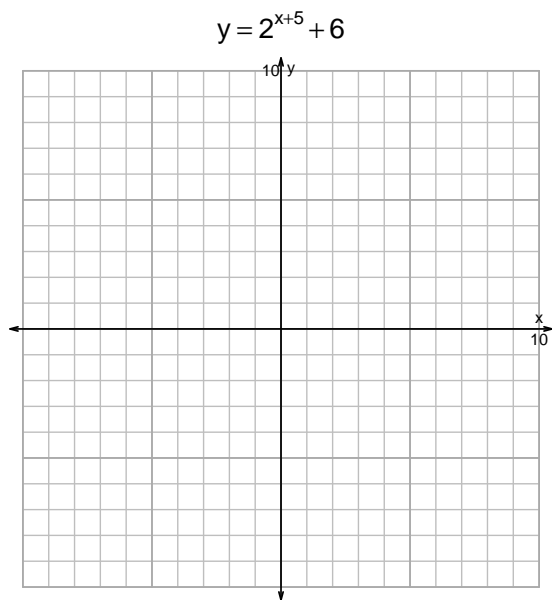


Name: _____

Date: _____

S18QUIZ: EXP LOG (PRACTICE v123)

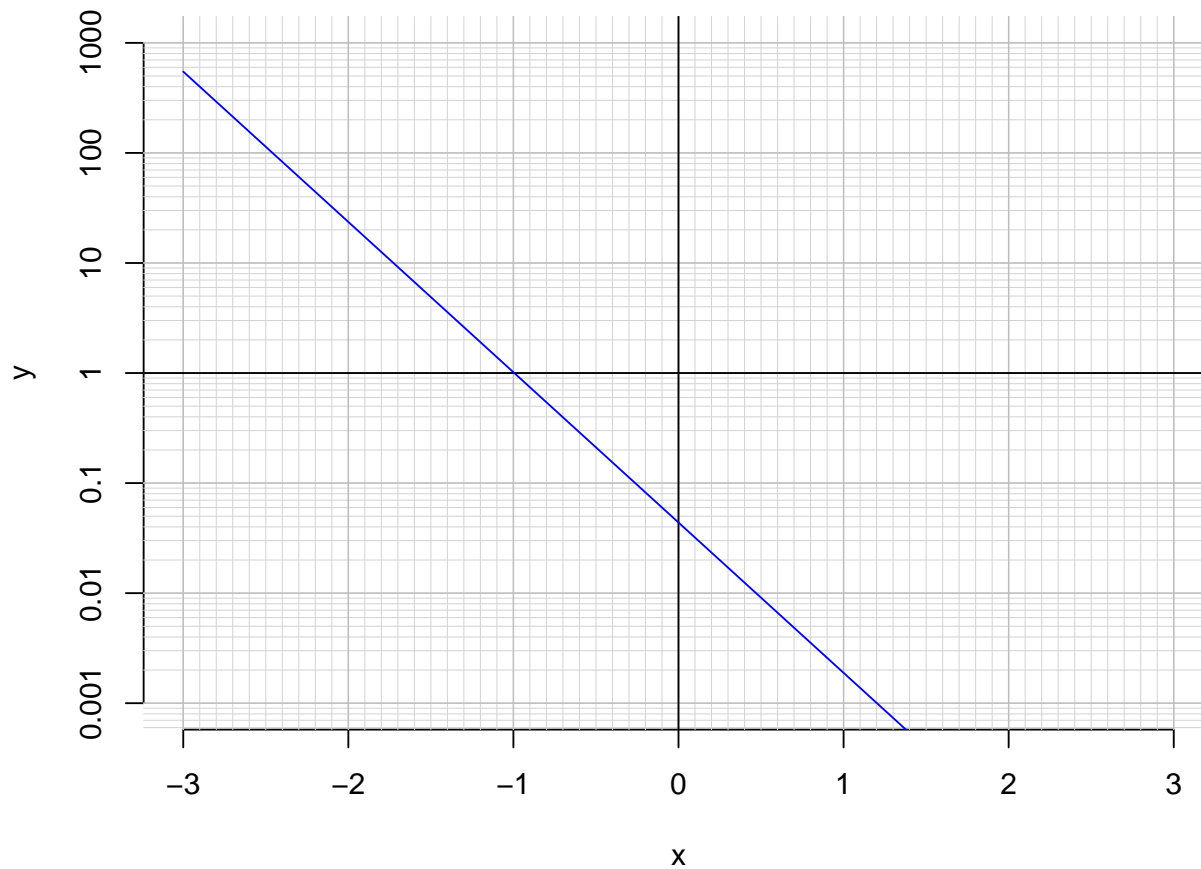
1. Graph $y = 2^{x+5} + 6$ and $y = \log_2(x - 5) + 4$ on the grids below. Also, draw any asymptotes with dotted lines.



2. Write (but do not evaluate) the solution to the equation below by writing a logarithmic expression.

$$-17 = \left(\frac{-4}{7}\right) \cdot 10^{3t/5}$$

3. An exponential function $f(x) = 0.0438 \cdot e^{-3.14x}$ is graphed below on a semi-log plot.



a. Using the plot above, evaluate $f(-0.1)$.

b. Express $f^{-1}(x)$, the inverse of f .

c. Using the plot above, evaluate $f^{-1}(400)$.